

Serial No. 10/040,834

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**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**LISTING OF CLAIMS:**

Claim 1 (currently amended): A temperature-drift adjusting method for a vibrating gyroscope which comprises a vibrator having a detecting terminal for extracting electric charge that is generated due to a Coriolis force; an oscillation circuit for vibrating said vibrator; a variable load impedance connected to the detecting terminal of said vibrator for converting the electric charge into a voltage; and a signal processing circuit for processing a signal output from the detecting terminal of said vibrator and for outputting a signal corresponding to a rotation angular velocity, said method comprising:

adjusting the impedance value of the variable load impedance in accordance with a temperature drift gradient indicating a change in a voltage output from said signal processing circuit in response to a change in temperature to minimize the temperature drift gradient.

Claim 2 (currently amended): A temperature-drift adjusting method for a vibrating gyroscope which comprises a vibrator having first and second detecting terminals for extracting electric charge that is generated due to a Coriolis force; an oscillation circuit for vibrating said vibrator; first and second variable load impedances connected respectively to the first and second detecting terminals of said vibrator for converting the electric charge extracted by the first and second electrodes into respective voltages; and a signal processing circuit for processing signal outputs from the first and second detecting terminals of said vibrator and for outputting a signal corresponding to a rotation angular velocity, said method comprising:

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adjusting the impedance value of at least one of the first and second variable load impedances in accordance with a temperature drift gradient indicating a change in a voltage output from said signal processing circuit in response to a change in temperature to minimize the temperature drift gradient.

Claim 3 (currently amended): A temperature-drift adjusting method according to claim 2, wherein each of the first and second variable load impedances includes a variable resistor.

Claim 4 (currently amended): A temperature-drift adjusting method according to claim 2, wherein each of the first and second variable load impedances includes a fixed resistor and a variable resistor.

Claim 5 (original): A vibrating gyroscope, wherein the temperature drift of the vibrating gyroscope is adjusted by a temperature-drift adjusting method according to claim 1.

Claim 6 (original): A vibrating gyroscope, wherein the temperature drift of the vibrating gyroscope is adjusted by a temperature-drift adjusting method according to claim 2.

Claim 7 (original): A vibrating gyroscope, wherein the temperature drift of the vibrating gyroscope is adjusted by a temperature-drift adjusting method according to claim 3.

Claim 8 (original): A vibrating gyroscope, wherein the temperature drift of the vibrating gyroscope is adjusted by a temperature-drift adjusting method according to claim 4.

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Claim 9 (new): A temperature-drift adjusting method according to claim 3, wherein a resistance of the variable resistor of the first variable load impedance is ~~set to be~~ greater than a resistance of the variable resistor of the second load impedance when an impedance of the first detecting terminal is greater than an impedance of the second detecting terminal.

*R1  
Cond*  
Claim 10 (new): A temperature-drift adjusting method according to claim 3, wherein a resistance of the variable resistor of the first variable load impedance is less than a resistance of the variable resistor of the second load impedance when an impedance of the first detecting terminal is less than an impedance of the second detecting terminal.

Claim 11 (new): A vibrating gyroscope, wherein the temperature drift of the vibrating gyroscope is adjusted by a temperature-drift adjusting method according to claim 9.

Claim 12 (new): A vibrating gyroscope, wherein the temperature drift of the vibrating gyroscope is adjusted by a temperature-drift adjusting method according to claim 10.

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